

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P#

Luminaire Tested: 14D3X-LP-35-L940.ies

Issue Date: 2/27/2025

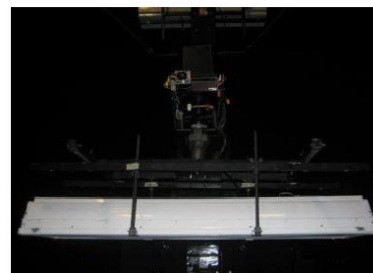
Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab: INNOVATION CENTER
Issue Date: 2/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-35-L940.ies
Description: 1x4 D3X-LP AT 3500lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2878.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

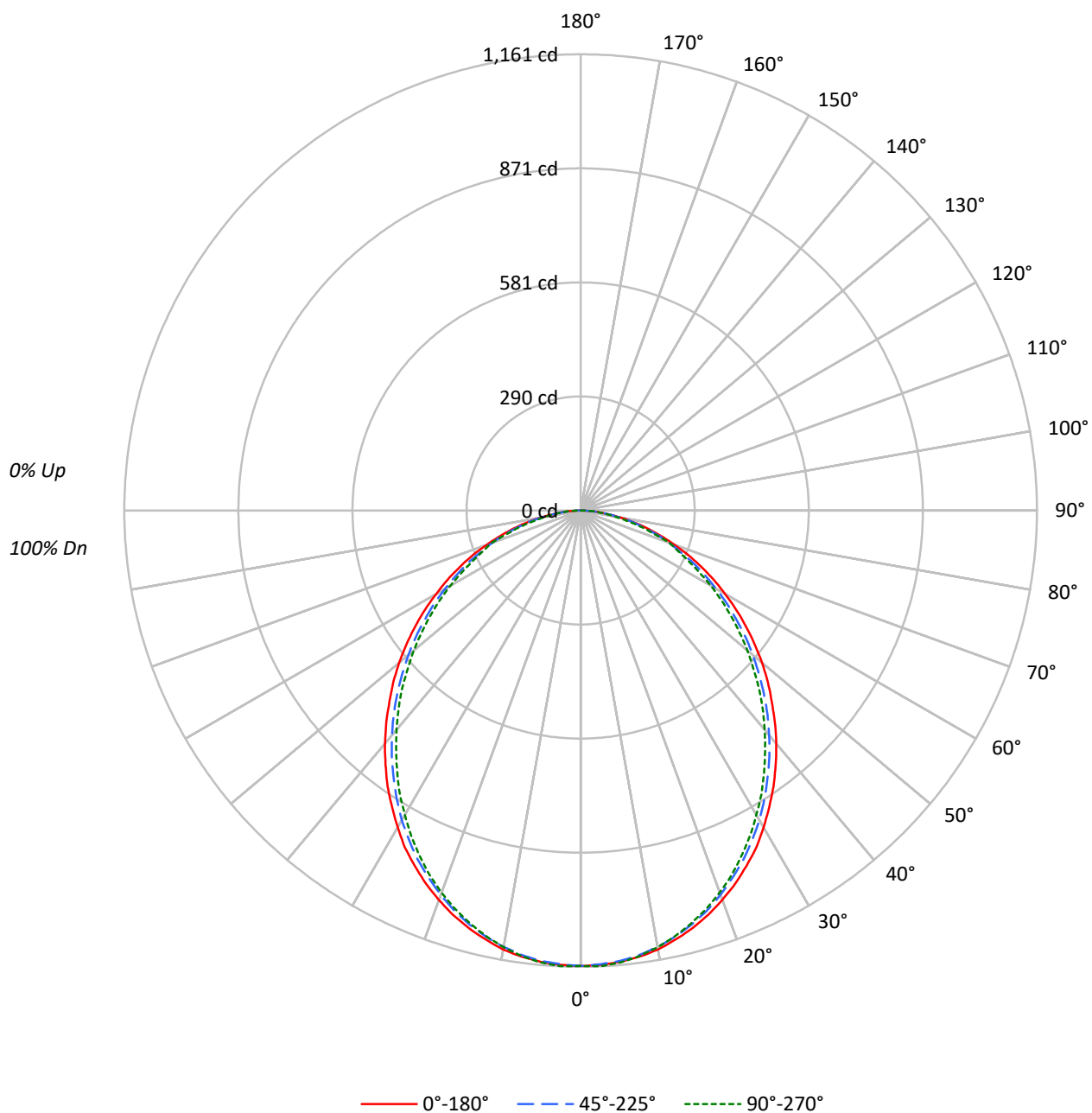
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L940.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L940.ies

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3119	3119	3119
5°	3115	3108	3119
10°	3099	3081	3083
15°	3065	3039	3030
20°	3019	2980	2963
25°	2964	2911	2878
30°	2893	2826	2779
35°	2812	2726	2672
40°	2720	2622	2559
45°	2617	2510	2445
50°	2522	2394	2319
55°	2407	2267	2188
60°	2281	2139	2056
65°	2151	2010	1918
70°	1988	1875	1895
75°	1831	1725	1637
80°	1596	1530	1371
85°	1340	1260	1260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2617 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L940.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.8
10°-20°	307.9	10.7
20°-30°	451.9	15.7
30°-40°	520.5	18.1
40°-50°	510.9	17.8
50°-60°	435.6	15.1
60°-70°	315.1	10.9
70°-80°	177.2	6.2
80°-90°	49.5	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	869.2	30.2
0°-40°	1389.6	48.3
0°-60°	2336.2	81.2
0°-90°	2878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1153	1154	1150	1154	1155	109
15°	1100	1099	1091	1089	1088	310
25°	998	990	980	973	969	460
35°	856	846	830	819	814	535
45°	688	679	660	647	642	531
55°	513	502	483	471	466	459
65°	338	328	316	304	301	335
75°	176	173	166	159	157	186
85°	43	45	41	41	41	50
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L940.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.0	1159.0	1159.0	1159.0	1159.0
2.5°	1157.3	1158.1	1155.6	1159.8	1160.7
5°	1153.0	1153.9	1150.5	1153.9	1154.7
7.5°	1145.4	1145.4	1141.1	1143.7	1143.7
10°	1134.3	1132.6	1127.5	1128.3	1128.3
12.5°	1118.1	1118.1	1111.3	1111.3	1109.6
15°	1100.3	1098.6	1090.9	1089.2	1087.5
17.5°	1079.0	1076.4	1067.9	1064.5	1062.8
20°	1054.3	1050.1	1040.7	1036.4	1034.7
22.5°	1027.9	1022.0	1010.9	1005.8	1004.1
25°	998.1	990.5	980.3	972.6	969.2
27.5°	967.5	959.9	945.4	936.9	933.5
30°	930.9	923.3	909.6	899.4	894.3
32.5°	893.5	886.7	870.5	859.4	856.0
35°	856.0	845.8	829.7	818.6	813.5
37.5°	815.2	806.7	788.8	776.9	770.9
40°	774.4	765.8	746.3	733.5	728.4
42.5°	731.8	720.7	703.7	690.1	685.9
45°	687.6	679.0	659.5	646.7	642.5
47.5°	645.9	633.1	615.2	602.5	596.5
50°	602.5	590.5	571.8	558.2	554.0
52.5°	557.4	547.2	528.4	514.8	509.7
55°	513.1	502.1	483.3	471.4	466.3
57.5°	468.9	458.7	441.6	428.0	424.6
60°	423.8	414.4	397.4	386.3	382.1
62.5°	382.1	371.0	355.7	344.6	340.4
65°	337.8	328.5	315.7	303.8	301.2
67.5°	297.0	290.2	274.0	265.5	266.3
70°	252.7	252.7	238.3	229.8	240.8
72.5°	213.6	214.4	201.7	196.6	192.3
75°	176.1	172.7	165.9	159.1	157.4
77.5°	138.7	140.4	134.4	121.7	120.0
80°	103.0	112.3	98.7	90.2	88.5
82.5°	70.6	80.0	68.1	63.8	63.0
85°	43.4	45.1	40.8	40.8	40.8
87.5°	18.7	21.3	20.4	20.4	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)